

WHAT IS CLAIMED IS:

1. An apparatus comprising:
 - (A) an image sensing device;
 - (B) a signal processing device for performing a first image sensing operation for making said image sensing device perform an image sensing operation in an exposure state to obtain a sensed image signal, and a second image sensing operation for making said image sensing device perform an image sensing operation in accordance with said first image sensing operation in a non-exposure state to obtain a sensed image signal, and processing the sensed image signal obtained by the first image sensing operation by the sensed image signal obtained by the second image sensing operation,
 - 15 wherein said signal processing device changes method of the second image sensing operation to the first image sensing operation in response to the instruction of said instruction device; and
 - (C) an instruction device for instructing to execute a predetermined plurality times of image sensing operations with different image sensing times of (said first image sensing operation.)
2. The apparatus according to claim 1, wherein said signal processing device selects an image sensing time of the first image sensing operation of a predetermined one of the plurality times of image sensing operations

in response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operations in accordance with the selected image sensing time.

- 5 3. The apparatus according to claim 2, further comprising:

a storage device for storing the sensed image signal of the second image sensing operation according to the selected image sensing time.

- 10 4. The apparatus according to claim 3, wherein said signal processing device processes the sensed image signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said storage device in image sensing operations other than
15 the predetermined one of the plurality times of image sensing operations.

5. The apparatus according to claim 1, wherein said signal processing device selects a longest image sensing time of the first image sensing operation of
20 the plurality times of image sensing operations in response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operations in accordance with the selected image sensing time.

- 25 6. The apparatus according to claim 5, further comprising:

a storage device for storing the sensed image signal of the second image sensing operation according to the selected image sensing time.

7. The apparatus according to claim 6, wherein said
5 signal processing device processes the sensed image signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said storage device in image sensing operations other than the longest image sensing time of the first image
10 sensing operation of the plurality times of image sensing operations.

8. The apparatus according to claim 1, wherein said signal processing device designates an image sensing time of the first image sensing operation of a
15 predetermined image sensing operation in response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operations in accordance with the designated image sensing time.

- 20 9. The apparatus according to claim 8, further comprising:

a storage device for storing the sensed image signal of the second image sensing operation according to the designated image sensing time.

- 25 10. The apparatus according to claim 9, wherein said signal processing device processes the sensed image

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signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said storage device in image sensing operations other than the predetermined one of the plurality of image sensing 5 operations.

11. The apparatus according to claim 1, wherein said apparatus includes a camera.

12. An apparatus comprising:

(A) an image sensing device;

10 (B) a signal processing device for performing a first image sensing operation for making said image sensing device perform an image sensing operation in an exposure state to obtain a sensed image signal, and a second image sensing operation for making said image 15 sensing device perform an image sensing operation in a non-exposure state to obtain a sensed image signal, and processing the sensed image signal obtained by the first image sensing operation by the sensed image signal obtained by the second image sensing operation, 20 wherein said signal processing device inhibiting the second image sensing operation from being made for each image sensing operation in response to the instruction of said instruction device; and

(C) an instruction device for instructing to 25 execute a predetermined plurality times of image

sensing operations with different image sensing times of said first image sensing operation.

13. The apparatus according to claim 12, wherein said signal processing device selects an image sensing time
5 of the first image sensing operation of a predetermined one of the plurality times of image sensing operations in response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operations in
10 accordance with the selected image sensing time.

14. The apparatus according to claim 13, further comprising:

- a storage device for storing the sensed image signal of the second image sensing operation according
15 to the selected image sensing time.

15. The apparatus according to claim 14, wherein said signal processing device processes the sensed image signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said
20 storage device in image sensing operations other than the predetermined one of the plurality times of image sensing operations.

16. The apparatus according to claim 12, wherein said signal processing device selects a longest image
25 sensing time of the first image sensing operation of the plurality times of image sensing operations in

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response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operations in accordance with the selected image sensing time.

- 5 17. The apparatus according to claim 16, further comprising:
- a storage device for storing the sensed image signal of the second image sensing operation according to the selected image sensing time.
- 10 18. The apparatus according to claim 17, wherein said signal processing device processes the sensed image signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said storage device in image sensing operations other than
- 15 the longest image sensing time of the first image sensing operation predetermined one of the plurality times of image sensing operations.
19. The apparatus according to claim 12, wherein said signal processing device designates an image sensing
- 20 time of the first image sensing operation of a predetermined image sensing operation in response to the instruction of said instruction device, and makes the second image sensing operation for the plurality times of image sensing operation in accordance with the
- 25 designated image sensing time.

20. The apparatus according to claim 19, further comprising:

a storage device for storing the sensed image signal of the second image sensing operation according
5 to the designated image sensing time.

21. The apparatus according to claim 20, wherein said signal processing device processes the sensed image signal obtained by the first image sensing operation on the basis of the sensed image signal stored in said
10 storage device in image sensing operations other than the predetermined one of the plurality of image sensing operations.

22. The apparatus according to claim 12, wherein said apparatus includes a camera.